

ABSTRACT

A diaphragm pump and method for making same, the pump having a diaphragm coupled to a wobble plate achieved using: a post (11) protruding from the wobble plate toward the diaphragm and at least partially surrounded by a collar (11a); and a pin (22) protruding from the diaphragm toward the wobble plate and having a recess (22a) for mating with the post (11) and also having an outer portion (22b) surrounding the recess (22a) and able to resiliently deform so as to squeeze through the collar (11a) when the pin (22) is pushed onto the post (11). The outer portion (22b) of the pin typically includes a locking feature (22c) for holding the pin (22) on the post (11). The pin (22) and the diaphragm are typically made from thermoplastic materials, with the pin (22) typically made from a harder material than the diaphragm.